

CLAIMS

WHAT IS CLAIMED IS:

1. A bumper device for reducing the noise created by a door closing against a cabinet, the bumper device comprising:

a bumper body including a base, a ring-shaped portion and a concentrically positioned center portion, the center portion defining a top end that includes an indentation.

2. The bumper device as set forth in claim 1, wherein the base defines a periphery and wherein the ring-shaped portion is positioned at the periphery of the base.

3. The bumper device as set forth in claim 2, wherein the ring-shaped portion is formed integral with the base.

4. The bumper device as set forth in claim 3, wherein the center portion defines a conical shape and wherein the center portion is formed integral with the base.

5. The bumper device as set forth in claim 1, wherein the bumper body is made of a urethane material.

6. The bumper device as set forth in claim 1, wherein the bumper body defines a channel formed between the center portion and the ring-shaped portion.

7. The bumper device as set forth in claim 1, wherein the ring-shaped portion defines a proximal end having a thickness and a distal end having a thickness, and wherein the ring-shaped portion tapers such that the thickness at the proximal end is greater than the thickness at the distal end.

8. A device for reducing the noise created by a first structure contacting a second structure, the device comprising:

an elastomeric body defining a base, a channel, and a first portion extending outwardly from the base, the first portion further defining an indentation.

9. The device as set forth in claim 8, wherein the base defines a periphery, the elastomeric body further defining a second portion extending from the base and positioned adjacent to the periphery of the base.

10. The device as set forth in claim 9, wherein the second portion is ring-shaped.

11. The device as set forth in claim 9, wherein the channel is located between the first portion and the second portion.

12. The device as set forth in claim 8, wherein the first portion defines a conical shape and includes a first end formed integral with the base and a second end that further includes the indentation.

13. The device as set forth in claim 8, wherein the elastomeric body is made of a urethane material.

14. The device as set forth in claim 9, wherein the second portion defines a proximal end having a thickness and a distal end having a thickness, and wherein the second portion tapers such that the thickness at the proximal end is greater than the thickness at the distal end.

15. A system for reducing the sound created by a first structure contacting a second structure, the system comprising:

a compressible sound reducing body defining a center portion having an indentation, a support portion spaced apart from the center portion, and a channel formed between the center portion and the support portion.

16. The system as set forth in claim 15, wherein the support portion extends around the center portion.

17. The system as set forth in claim 16, wherein the support portion defines a proximal end having a thickness and a distal end having a thickness, and wherein the support portion tapers such that the thickness at the proximal end is greater than the thickness at the distal end.

18. The fastener as set forth in claim 17, wherein the center portion is conical shaped and defines a proximal end and a distal end, the indentation positioned at the distal end of the center portion.

19. The system as set forth in claim 15, wherein the compressible sound reducing body is made of a urethane material.

20. The system as set forth in claim 18, wherein the support portion is ring-shaped, and wherein the compressible sound reducing body is made of a urethane material.